

# ABSTRACT OF THE INVENTION

A coating process of aluminum oxide on the surface of a plastic floor tile includes plural steps consisting of a step of placing a half-finished plastic floor tile on a feeding table, two steps of coating two layers of UV photo-curing resin and a step of spraying a layer of aluminum oxide sand sandwiched between the two layers of UV photo-curing resin, and two steps of curing the two layers of UV photo-curing resin by light shining by one or more UV lamps, and a step of cooling the cured surface of a finished plastic floor tile and a last step of placing and storing a completely finished plastic floor tile on a receiving table.

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